FIG.1

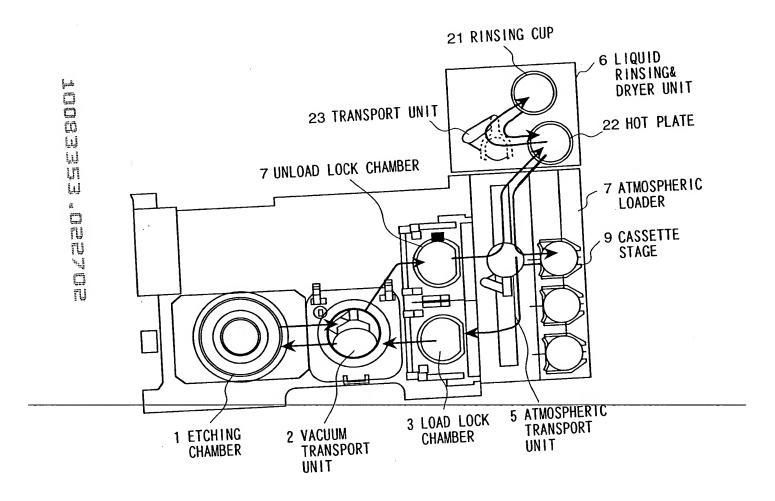


FIG.2

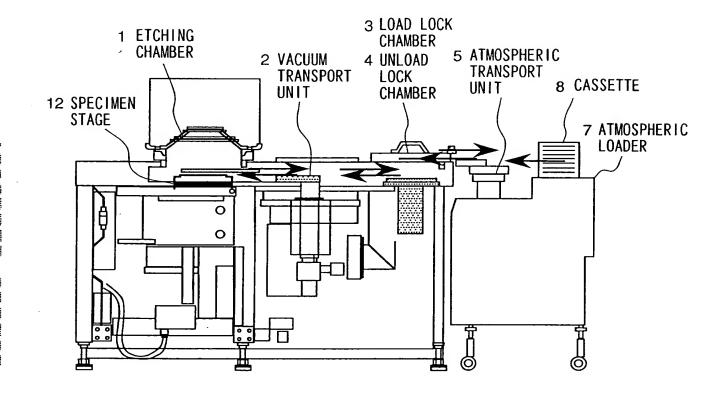


FIG.3

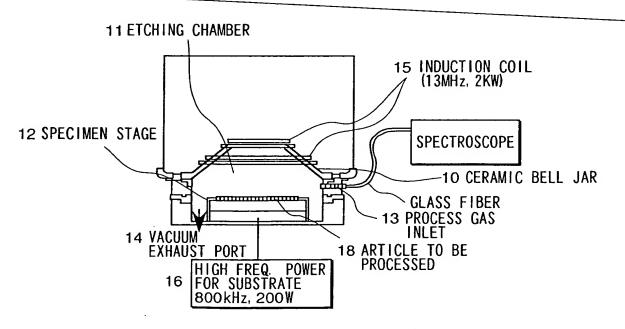
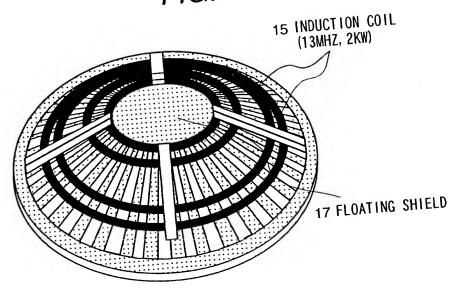


FIG.4



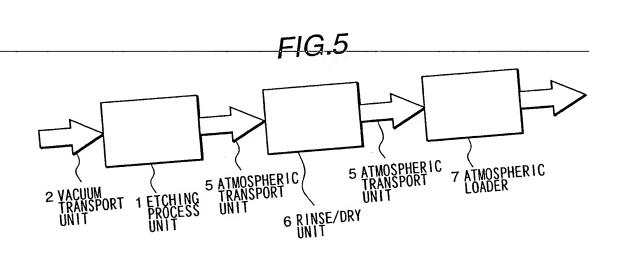
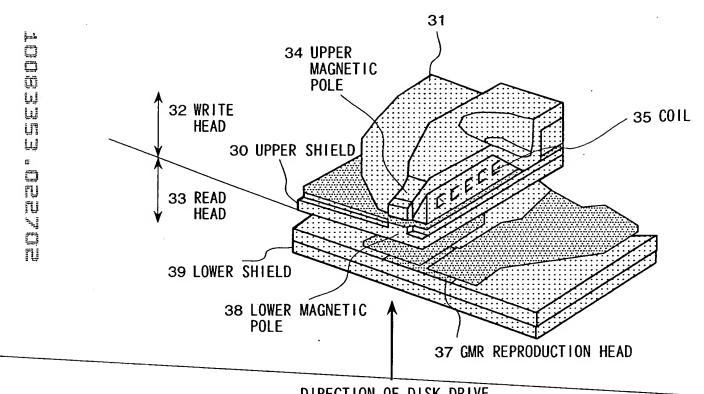


FIG.6



DIRECTION OF DISK DRIVE

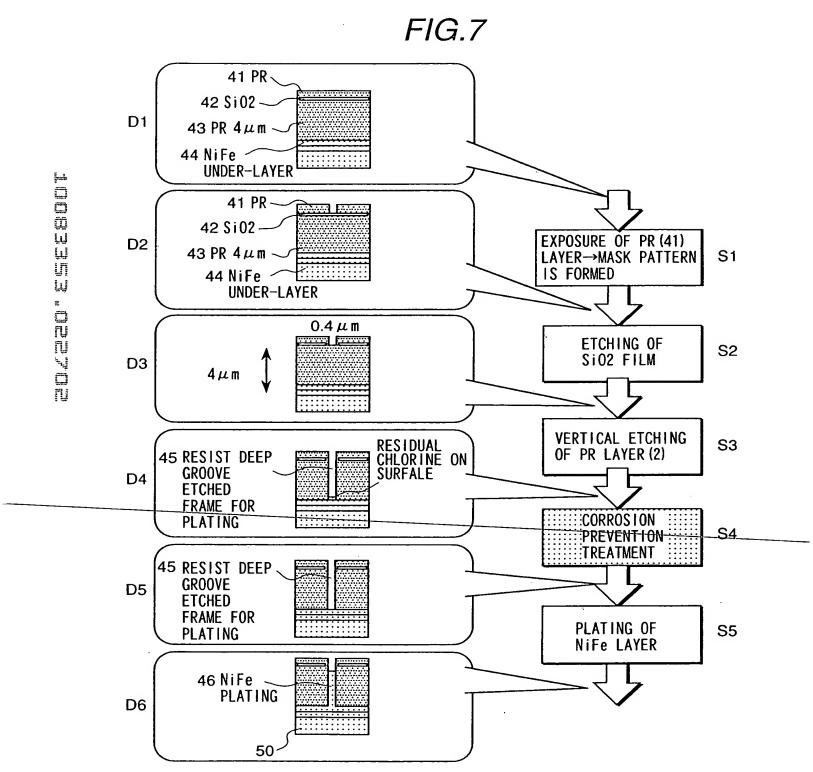
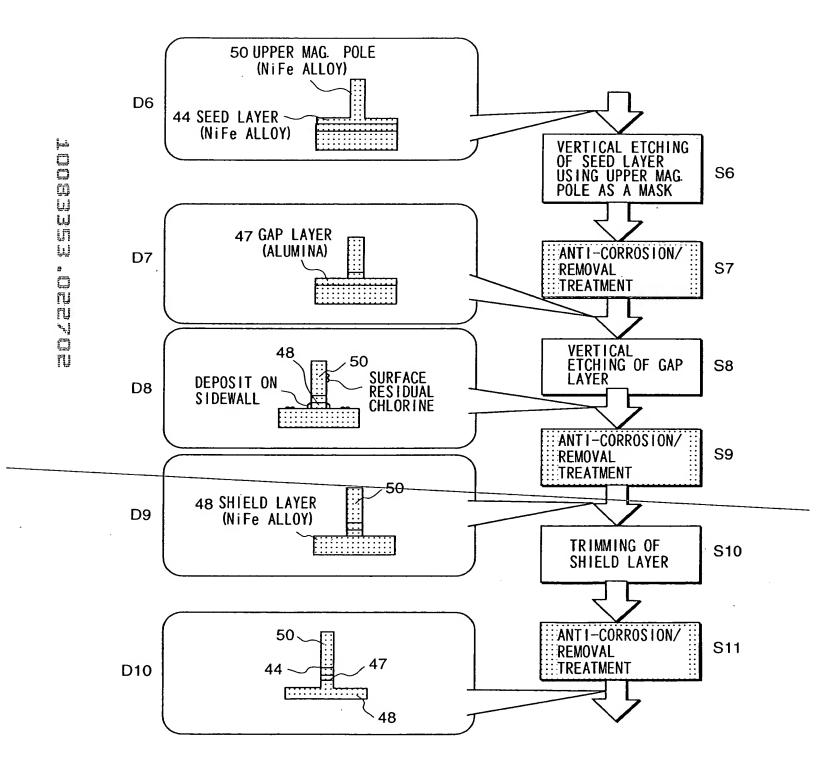


FIG.8



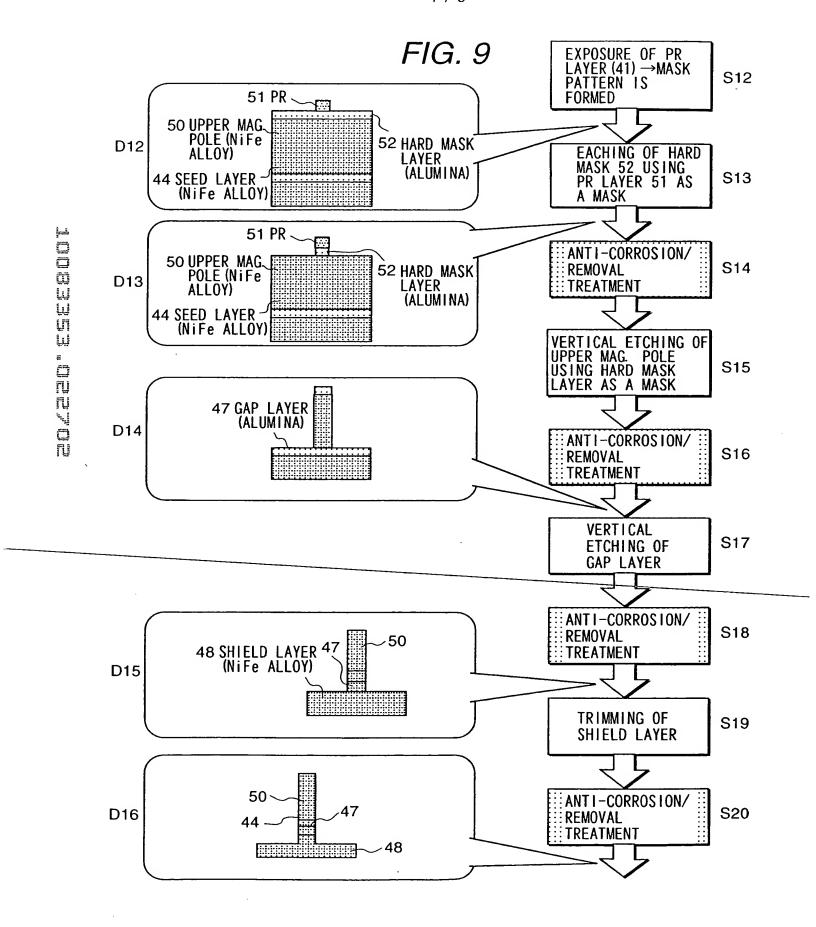


FIG.10

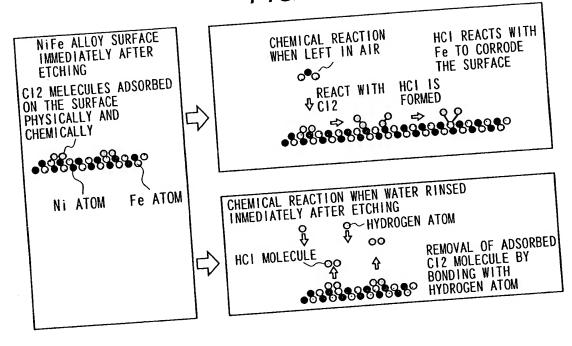


FIG.12

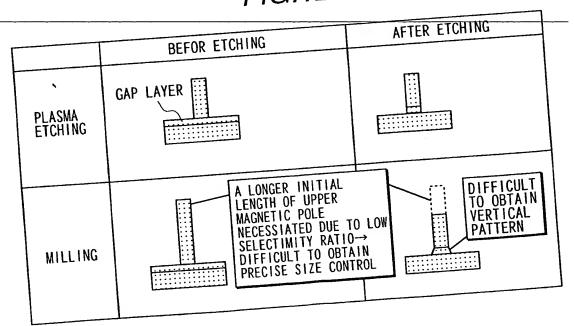


FIG.11

EXPERIMENTAL CONDITIONS*	TIME UNTIL CORROSION OCCURS
LEFT IN AIR AFTER ETCHING OF GAP LAYER	5 MIN.
LEFT IN AIR AFTER PURE WATER RINSING/DRYING WITHIN 2 MIN. AFTER ETCHING OF GAP LAYER	AFTER MORE THAN 2 WEEKS

ITEM	UNIT	RESULT
RATE	nm/min	108.5

*OTHER CONDITIONS

ITEM	CONDITIONS	
DEVICE STRUCTURES PRIOR TO & AFTER ETCHING	UPPER MAG. POLE GAP LAYER (NiFe ALLOY) (ALUMINA) SHIELD LAYER (NiFe ALLOY)	
GAS	CI 20sccm+BCI3 30sccm	
PRESSURE	0.3Pa	
STAGE TEMP.	40℃	
SOURCE RF POWER	750W	
SOURCE RF FREQ.	13.56MHz	
BIAS RF POWER	60W	
BIAS RF FREQ.	800 KHz	